

CLAIMS

In the Claims:

The status of the claims is as follows.

1(cancelled).

2(original) In a method for making Mechanical pulp comprising the steps of grinding or refining wood to create unbleached pulp and then bleaching the pulp; the improvement comprising treating the pulp with from about 0.002 weight % to about 0.02 weight % of an organic sulfide chelating agent before or during bleaching.

3(cancelled).

4(original) In a method for making Mechanical pulp comprising the steps of grinding or refining wood to create unbleached pulp and then bleaching the pulp; the improvement comprising treating the pulp with from about 0.002 weight % to about 0.02 weight % of an organic sulfide chelating agent before or during bleaching, wherein said organic sulfide chelant is selected from the group consisting of monomeric dithiocarbamates, polymeric dithiocarbamates, polydiallylamine dithiocarbamates, 2,4,6-trimercapto-1,3,5-triazine, thiocarboxylic acid, thioglycolic acid, sodium trithiocarbonate, mercaptoquinazolinone, mercaptopyridine, mercaptopyrimidine, thiolactic acid, mercaptoethanol, mercaptopropanol, 2,3-dimercaptopropanol, thioglycerol, oxydiethanethiol, disodium ethylenedisulfidocarbamate, dithiothreitol, benzenethiol, mercaptoimidazole, mercaptobenzimidazole, mercaptotriazole, mercaptotetrazole and salts thereof and mixtures thereof.

5(cancelled).

6(original) In a method for making Mechanical pulp comprising the steps of grinding or refining wood to create unbleached pulp and then bleaching the pulp; the improvement comprising treating the pulp with from about 0.002 weight % to about 0.02 weight % of an organic sulfide chelating agent before or during bleaching, and also adding an optional additional chelant, an optional surfactant and optionally polyacrylic acid .